

Rittal – The System.

Faster – better – everywhere.

► LCP DX Rack and Suite Cooling



Small and medium-sized IT data centers can be confined in small spaces where the build-up of heat can become dangerous. Rittal's LCP Rack DX or LCP Inline DX are the ideal cooling solutions in these locations.

In the past, cooling stand-alone IT applications were difficult with conventional ceiling or air-conditioning units. The LCP DX devices make it easy to support IT-compatible cooling while achieving 50% energy savings using intelligent control, flexible configurations and additional fans that keep the same volumetric flow and a constant cooling output.

The LCP Rack DX:

The LCP draws in the air at the sides at the rear of the server enclosures, cools it using high performance compact impellers, and blows the cooled air back into the front part of the server rack at the sides.

- Cooling output 12 kW
- Refrigerant R410a
- Minimized operating costs with efficient EC fan technology
- Integral condensate and leakage management
- Sophisticated control concept including online connection
- Option to cool one or two server racks
- Efficient cooling matched to server rack heat load in a closed loop system
- Assembly- and service-friendly
- Integration into RiZone (data center management software)
- Cost-effective installation by laying small-diameter coolant lines

The LCP Inline DX:

The LCP is designed for siting within a bayed enclosure suite. Hot air is drawn in from the room or hot aisle at the rear of the device, cooled by the high-capacity compact impellers, and blown back into the room or cold aisle after cooling

- Cooling output 12 kW
- Cooling of several server racks
- Refrigerant R410a
- Minimized operating costs with efficient EC fan technology
- Integral condensate and leak management
- Sophisticated controls and remote online monitoring and management
- Assembly- and service-friendly
- Increased performance and efficiency in conjunction with Rittal aisle containment
- Integration into RiZone (data center management software)

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LCP Rack DX

Model No.	Packs of	3311.415	3311.425
Total cooling output/number of fan modules required BTU (kW)		40,946 (12)/4	40,946 (12)/4
Height inches (mm)		79 (2000)	79 (2000)
Width inches (mm)		12 (300)	12 (300)
Depth inches (mm)		39 (1000)	47 (1200)
Installation in bayed enclosure suite		Flush	Flush
Rated operating voltage V, ~, Hz		208, 1~, 60	208, 1~, 60
Type of connection (electrical)		Terminal	Terminal
Air throughput at max. cooling output cfm (m ³ /h)		2825 (4800)	2825 (4800)
Fans may be exchanged with the system operational		■	■
EC fan		■	■
Duty cycle %		100	100
Weight in supplied state lb (kg)		399 (181.0)	399 (181.0)
Accessories			
SNMP card	1	3311.320	3311.320
Condenser unit	1	9951.077	9951.077

LCP Inline DX

Model No.	Packs of	3311.435	3311.445
Total cooling output/number of fan modules required BTU (kW)		40,946 (12)/4	40,946 (12)/4
Height inches (mm)		79 (2000)	79 (2000)
Width inches (mm)		12 (300)	12 (300)
Depth inches (mm)		39 (1000)	47 (1200)
Installation in bayed enclosure suite		Flush	Flush
Rated operating voltage V, ~, Hz		208, 1~, 60	208, 1~, 60
Type of connection (electrical)		Terminal	Terminal
Air throughput at max. cooling output cfm (m ³ /h)		2825 (4800)	2825 (4800)
Fans may be exchanged with the system operational		■	■
EC fan		■	■
Duty cycle %		100	100
Weight in supplied state lb (kg)		399 (181.0)	399 (181.0)
Accessories			
SNMP card	1	3311.320	3311.320
Condenser unit	1	9951.077	9951.077

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Rittal Corporation

Woodfield Corporate Center • 425 N. Martingale Road, Suite 400 • Schaumburg, IL • USA

1 Rittal Place • Urbana Ohio 43078 • USA

Phone: 937-399-0500 • Fax: 800-477-4003 • Toll-free: 800-477-4000

Email: rittal@rittal.us • Online: www.rittal.us



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